

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	165	("20010027121" "20010044318" "20020057810" "20020075306" "20020114472" "20020118852" "20020173953" "20020181669" "20020196955" "20020198021" "20030061037" "20030083112" "20030097254" "20030125081" "20030144844" "20040086137" "20040092297" "20040186710" "20040249633" "20050114124" "20060008256" "20060009156" "20060072767" "20060079291" "3383466" "3746789" "3787641" "4382164" "4769845" "5054079" "5151944" "5197091" "5295193" "5404577" "5446789" "5555449" "5590241" "5647834" "5692059" "5757934" "5812970" "5828768" "5933506" "5943627" "5983073" "6006175" "6028556" "6052464" "6052567" "6094492" "6125284" "6137883" "6151397" "6175633" "6226422" "6243596" "6292674" "6308062" "6337919" "6339706" "6343269" "6377919" "6408081" "6434239" "6542721" "6560468" "6590651" "6594629" "6664713" "6675027" "6707921" "6717991" "6760600" "6959276" "7054423" "7110944" "7117148" "7120477" "7181390" "7190797" "H001497").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 19:52
S1	53	((XUEDONG) near2 (HUANG)). INV.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/31 14:08
S2	69	((ZICHENG) near2 (LIU)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/31 15:46
S3	106	((ZHENGYOU) near2 (ZHANG)). INV.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/29 10:51
S4	114	((MICHAEL) near2 (SINCLAIR)). INV.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/29 10:51
S5	102	((ALEJANDRO) near2 (ACERO)). INV.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/29 10:55

## EAST Search History

S6	19	("20010027121" "20020198021" "20030083112" "20030125081" "3746789" "3787641" "5054079" "5151944" "5295193" "5404577" "5692059" "5757934" "5933506" "6094492" "6175633" "6408081" "6542721" "6560468" "6664713").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/29 10:55
S7	6	("20030144844" "3383466" "5647834" "6343269" "6594629").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/29 10:55
S8	16	("5197091" "5446789" "5555449" "5828768" "5943627" "5983073" "6028556" "6052464" "6052567" "6125284" "6137883" "6175633" "6243596" "6308062" "6675027" "6760600").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/29 10:55
S9	9	("20020057810" "20020075306" "20020181669" "20020196955" "20040092297" "20050114124" "20060008256" "20060009156" "6339706").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/29 10:56
S10	5	("20050114124" "20060072767" "20060079291" "6339706" "7054423").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/29 10:56
S11	2	("20020118852" "7120477").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/29 10:57
S12	1	"20050033571"	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/29 10:58
S13	2	("20050033571").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/29 11:02
S14	234	headset with microphone with transducer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 11:03

## EAST Search History

S15	0	"704.ccls"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 11:03
S16	22762	("704").CLAS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/29 11:03
S17	11	S14 and S16	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 11:29
S18	254	throat adj microphone	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 11:29
S19	33	S18 and S16	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 12:33
S20	45	bone adj microphone	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 12:33
S21	273	radiation adj sensor same face	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 14:12

## EAST Search History

S22	8	radiation adj sensor with (infrared and (charge adj coupled adj device))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 15:59
S23	49773	radiation same face	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 14:20
S24	7	(radiation same face) with (charge adj coupled adj device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 14:24
S25	6	(speech adj detector) with (microphone and (sensor adj signal))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 14:44
S26	689	headset with transducer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 14:45
S27	83	S26 and infrared	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 15:13
S28	54	speech adj detection adj signal	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 15:20

## EAST Search History

S29	6	(transducer or speech adj sensor) with speech adj detection adj signal	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 15:20
S30	1467	sensor with (infrared and (charge adj coupled adj device))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 16:02
S31	377	sensor with (infrared with (charge adj coupled adj device))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 16:03
S32	87	(radiation adj sensor) with (charge adj coupled adj device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 16:03
S33	357	speech adj detect\$3 with (baseline or threshold)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/30 09:30
S34	0	(infrared or ir) with (speech adj detect\$3 and threshold)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/30 09:32
S35	1	(infrared or ir) adj sensor with (speech adj detect\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/30 09:33

## EAST Search History

S36	8320	(infrared or ir) adj sensor with detect\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/30 09:34
S37	22787	("704").CLAS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/30 09:34
S38	11	S36 and S37	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/30 09:52
S39	258798	(infrared or ir or radiation) same (face or mouth or lip)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/30 10:16
S40	1588	S39 and (S37 or speech)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/30 10:16
S41	76	((infrared or ir or radiation) same (face or mouth or lip)) with speech	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/30 10:36
S42	2	("5414796").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/30 10:36

## EAST Search History

S43	2	("h001497").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/30 11:34
S44	3	tosaya.in. and (injection adj coupling adj human adj vocal adj tract)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 10:43
S45	26	speech adj detect\$3 with ((sensor or transducer) and microphone)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 11:22
S46	2	("20020184014").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/31 11:23
S47	2	("6070140").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/31 13:09
S48	0	headset with ((infrared adj sensor) and led)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 13:10
S49	1	headset with (infrared adj sensor) and led	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 13:11

## EAST Search History

S50	41	(infrared adj sensor) and (infrared adj light adj emitter)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 13:11
S51	2	("6594629").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/31 14:08
S52	5	speech adj detector adj component	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/31 15:46
S53	250	speech adj detector and "704". clas.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/31 15:47
S54	38	S53 and sensor	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/31 15:47
S55	23	S53 and transducer	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/31 15:57
S56	23	(headset or headphone) with throat adj microphone	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 16:35
S57	6	(headset or headphone) with bone adj microphone	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 16:38
S58	5	(transducer or sensor) adj inside adj ear	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 16:40



## EAST Search History

S59	0	(headset or headphone) with (transducer or sensor) adj inside adj ear	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 16:43
S60	3	(headset or headphone) with (transducer or sensor or microphone) adj inside adj ear	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/01 11:02
S61	798	(headset or headphone) with (transducer or sensor or microphone) near5 ear	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/01 11:02
S62	8004	(transducer or sensor or microphone or detector) near5 ear	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/01 11:06
S63	54577	((transducer or sensor or detector) and (microphone or mic or audio or speech)) with signal	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/01 11:13
S64	2268	S63 and "704".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/01 11:15
S65	2619	speech adj detect\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/01 11:16

## EAST Search History

S66	1220	S63 and S65	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/01 11:21
S67	0	(speech adj detect\$3) near5 (multiple adj signal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/01 11:23
S68	107	multiple with signal with speech with detect\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/01 12:21
S69	10052	(multiple or multi or dual) near5 (sensor or transducer or detector) near5 signal	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/01 13:12
S70	769	S69 and ((speech or vocal or audio) same (detect or detection or detector or identifier or identify or distinguish or discover\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/01 14:05
S71	33	S70 and "704".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/01 13:17
S72	4563	background near5 (remov\$3 or supress\$3 or delet\$3 or eliminat\$3 or separat\$3) near5 signal	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/02 14:54

## EAST Search History

S73	116	S72 and "704".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/02 15:01
S74	26	S73 and engine	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/02 15:09
S75	51	S73 and "speech recognition"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/02 15:26
S76	2	("6094492").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/19 18:54
S77	2	("20030115068").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/19 18:54
S78	26151	"704".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/08 16:47
S79	35	S78 and (power or battery) near5 speaking	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/08 16:49

## EAST Search History

S80	31	S78 and (power or battery) near5 speaking and recogni\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/08 18:06
S81	2	("7181397").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/08 18:54
S82	2	("6088428").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/08 18:54
S83	2	("6427134").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/16 13:48
S84	64	(speech or voice) near3 detect\$4 near8 (power or battery) near6 (recogni\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 13:50
S85	26216	("704").CLAS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/16 13:50
S86	32	S84 and S85	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 13:50